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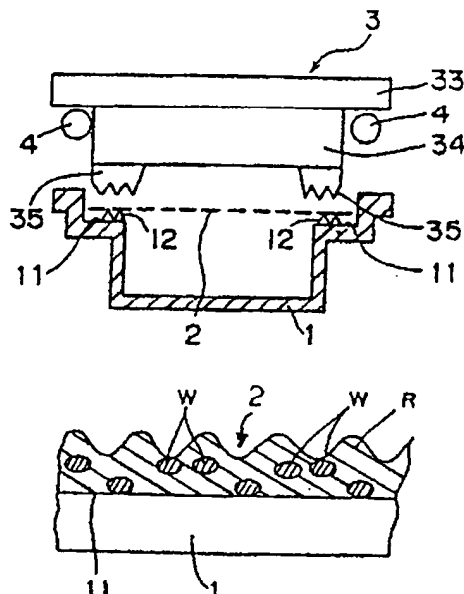
APPLICATION DATE : 13-09-88
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TITLE : METHOD FOR WELDING METAL
GAUZE TO PLASTIC PART



ABSTRACT : PURPOSE: To improve the weld strength of a metal gauze by a method wherein the metal gauze is placed on the surface to be welded of a plastic part and pressed with a press fitting, on the pressing surface of which saw-tooth-like unevenness is provided, and finally heated.

CONSTITUTION: A metal gauze 2 is placed on the surface to be welded 11 of a plastic part 1. A press fitting 3, with which the periphery of the metal gauze is pressed against the surface to be welded 11, is provided opposite to the surface to be welded. The press fitting 3 consists of an asbestos press base 34, which is fixed to a bakelite plate 33 and at the periphery of the top surface of which a steel pressing surface 35 corresponding to the surface to be welded 11 of the plastic part 1 is protrusively provided and at the periphery of the side of which a heating coil 4 is provided. In case of oil filter, unevenness having saw-tooth section is formed on the pressing surface 35. The metal gauze 2 is pressed with the pressing surface 35 against the surface to be welded 11 and then heated. By the procedure as mentioned above at the one-side welding of the metal gauze, large weld strength is obtained.

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